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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/032,742	10/22/2001	Sivagnanam Parthasarathy	01-LJ-062	6367
30428 7	590 08/31/2004		EXAMINER	
STMICROELECTRONICS, INC.			MALZAHN, DAVID H	
MAIL STATIO	ON 2346 ONICS DRIVE		ART UNIT	PAPER NUMBER
	N, TX 75006		2124	
			DATE MAILED: 08/31/2004	4

Please find below and/or attached an Office communication concerning this application or proceeding.



			200
	Application No.	Applicant(s)	X
	10/032,742	PARTHASARATHY ET	AL.
Office Action Summary	Examiner	Art Unit	
	David H. Malzahn	2124	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be y within the statutory minimum of thirty (30) owill apply and will expire SIX (6) MONTHS from the application to become ABANDO	timely filed lays will be considered timely. om the mailing date of this communic NED (35 U.S.C. § 133).	cation.
Status			
1) Responsive to communication(s) filed on			
	action is non-final.		r. rang
3) Since this application is in condition for allowa closed in accordance with the practice under <i>l</i>	•		ts is
Disposition of Claims			
4) ⊠ Claim(s) <u>1-32</u> is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) <u>1-32</u> are subject to restriction and/or	wn from consideration.		
Application Papers			
9) The specification is objected to by the Examine	er.		
10) The drawing(s) filed on is/are: a) acc	epted or b) objected to by the	e Examiner.	
Applicant may not request that any objection to the	drawing(s) be held in abeyance. S	See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	• • • • • • • • • • • • • • • • • • • •	•	, ,
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	s have been received. Is have been received in Applicative documents have been received in Received in Received in Received in Rule 17.2(a)).	ation No ived in this National Stage	
Attachment(s)			
1) Notice of References Cited (PTO-892)	4) Interview Summa		
<ol> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)</li> <li>Paper No(s)/Mail Date</li> </ol>	Paper No(s)/Mail 5) Notice of Informa 6) Other:	I Patent Application (PTO-152)	

Art Unit: 2124

## 1. Restriction Requirement

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - Claims 1-26, drawn to a finite field multiplier or multiplying, classified in class
     708, subclass 492.
  - II. Claims 27-32, drawn to a modulo reduction processor, classified in class 708, subclass 491.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions I and II are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as a finite field multiplier with output in the triangular basis. See MPEP § 806.05(d).
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 4. A telephone call was made to Lisa Jorgenson on 24 August 2004 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the

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currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David H. Malzahn whose telephone number is (703) 305-9762. The examiner can normally be reached on M-Th from 7:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki, can be reached on 703-305-9662. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

David H. Malzahn Primary Examiner Art Unit 2124